FEDERAL COMMUNICATIONS COMMISSION

MM 94-71

CLASS OF STATION FM PAS

The following application is submitted for action by the Chief, Broadcast Bureau.

ST	FILE NUMBER	CALL	APPLICANT AND LOCATION	NATURE OF APPLICATION
CA	BPED -920305ME N/M	NEW 88.7MHZ	SANTA MONICA COMMUNITY COLLEGE DIS. MOJAVE CA	CP FOR NEW FM EDUCATIONAL ON: FREQUENCY: 88.7 MHZ., ERP: 29.0 KW (H&V); HAAT: 195 METERS (H&V) 35 04 02 118 23 03

LICENSE EXPIRATION DATE PN: 3-13-92

Patricia Scott
CHIEF, LICENSE DIVISION

RECOMMENDATION: GRANT( ) CONSTRUCTION DATES, START _____ END _____

CONTESTED ( ) UNCONTESTED ( )

3.13.92

APPROVED _____

FOR CHIEF, BROADCAST BUREAU

F.C.C.-WASHINGTON, D.C.

Form A-378
January 1980

Federal Communications Commission
Washington, D. C. 20554

FCC 340 TRIPLICATE

Approved by OMB
3060-0034
Expires 4/30/92
See Page 23 for information regarding public burden estimate

APPLICATION FOR CONSTRUCTION PERMIT FOR NONCOMMERCIAL EDUCATIONAL BROADCAST STATION

(Carefully read instructions before filing form) Return only form to FCC

MM #94-71

RECEIVED
MAR 0 5 1992
FCC MAIL BRANCH

For Commission Use Only
BPED-920305ME
File No.

Section I - GENERAL INFORMATION

1. Name of Applicant			Send notices and communications to the following person at the address below:		
SANTA MONICA COMMUNITY COLLEGE DISTRICT			Name: JOHN C. HUNTLEY, CHIEF ENGINEER		
Street Address or P.O. Box: 1900 PICO BLVD.			Street Address or P.O. Box: 1900 PICO BLVD.		
City: SANTA MONICA	State: CA	ZIP Code: 90405	City: SANTA MONICA	State: CA	ZIP Code: 90405
Telephone No. (Include Area Code): 310-450-5183			Telephone No. (Include Area Code): 310-450-5183		

2. This application is for: ☐ AM ☒ FM ☐ TV

(a) Channel No. or Frequency	(b) Principal Community	City	State
204B 88.7 MHz		MOJAVE	CA

(c) Check one of the following boxes:

☒ Application for **NEW** station

☐ **MAJOR** change in licensed facilities; call sign: .....

☐ **MINOR** change in licensed facilities; call sign: .....

☐ **MAJOR** modification of construction permit; call sign: .....

File No. of construction permit: .....

☐ **MINOR** modification of construction permit; call sign: .....

File No. of construction permit: .....

☐ **AMENDMENT** to pending application; application file number: .....

NOTE: It is not necessary to use this form to amend a previously filed application. Should you do so, however, please submit only Section I and those other portions of the form that contain the amended information.

3. Is this application mutually exclusive with a renewal application? ☐ Yes ☒ No

If Yes, state:	Call letters	Community of License: City	Community of License: State

Section II - LEGAL QUALIFICATIONS

Name of Applicant

SANTA MONICA COMMUNITY COLLEGE DISTRICT

1. Applicant is: *(Check one box below)*

   [X] (a) governmental or public educational agency, board or institution

   [ ] (b) private nonprofit educational institution

   [ ] (c) Other *(specify)*

2. For applicants 1(c) only, describe in an Exhibit the nature and educational purposes of the applicant. Exhibit No. N/A

3. For applicants 1(c) applying for a new noncommercial educational television station only, describe in an Exhibit how the applicant's officers, directors and members of its governing board are broadly representative of the educational, cultural and civic segments of the principal community to be served. Exhibit No. N/A

4. Describe in an Exhibit how the proposed station will be used, in accordance with 47 C.F.R. Section 73.503 or Section 73.621, for the advancement of an educational program. Exhibit No. 1

5. Is there any provision contained in any by-laws, articles of incorporation, partnership agreement, charter, statute or other document which would restrict the applicant in advancing an educational program or complying with any Commission rule, policy or provision of the Communications Act of 1934, as amended? [ ] Yes [X] No

   If Yes, provide particulars in an Exhibit. Exhibit No. N/A

CITIZENSHIP AND OTHER STATUTORY REQUIREMENTS

6. (a) Is the applicant in violation of the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments? (See Instruction B to Section II.) [ ] Yes [X] No

   (b) Will any funds, credits or other financial assistance for the construction, purchase or operation of the station(s) be provided by aliens, foreign entities, domestic entities controlled by aliens, or their agents? [ ] Yes [X] No

   If the answer to (b) above is Yes, attach an Exhibit giving full disclosure concerning this assistance. Exhibit No. N/A

7. (a) Has an adverse finding been made or an adverse final action taken by any court or administrative body as to the applicant or any party to this application in a civil or criminal proceeding brought under the provisions of any law related to the following:

   Any felony; broadcast related antitrust or unfair competition; criminal fraud or fraud before another governmental unit; or discrimination? [ ] Yes [XX] No

   (b) Is there now pending in any court or administrative body any proceeding involving any of the matters referred to in (a) above? [ ] Yes [X] No

   If the answer to (a) and/or (b) above is Yes, attach an Exhibit giving full disclosure concerning persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file numbers), a statement of the facts upon which the proceeding is or was based or the nature of the offense alleged or committed, and a description of the current status or disposition of the matter. Exhibit No. N/A

PARTIES TO APPLICATION

8. Complete the following Table with respect to all parties to this application:

(NOTE: If **the applicant** considers that to furnish complete information would pose an unreasonable burden, it may request that the Commission waive the strict terms of this requirement with appropriate justification.)

INSTRUCTIONS: If **applicant is a corporation or an unincorporated association with 50 or fewer stockholders, stock subscribers, holders of membership certificate or other ownership interest,** fill out all columns, giving the information requested as to all officers, directors and members of governing board. In addition, give the information as to all persons or entities who are the beneficial or record owners of or have the right to vote capital stock, membership or ownership interests or are subscribers to such interests. If **the applicant has more than 50 stockholders, stock subscribers or holders of membership certificates or other ownership interests,** furnish the information as to officers, directors, members of governing board, and all persons or entities who are the beneficial or record owners of or have the right to vote 1% or more of the capital stock, membership or ownership interests. If **applicant is a governmental or public educational agency, board or institution,** fill out columns (a), (b), and (c) as to all members of the governing board and chief executive officers.

Name and Residence Address(es)	Office Held	Director or Member of Governing Board		% of: Ownership (O) or Voting Stock (VS) or Membership (M)
		YES	NO	
(a)	(b)	(c)		(d)
CAROLE CURREY 451 20TH ST. SANTA MONICA, CA	TRUSTEE, CHAIR	X		N/A ELECTED PUBLIC OFFICAL
BLYDEN BOYLE 18149 WAKECREST MALIBU, CA	TRUSTEE, VICE CHAIR	X		N/A ELECTED PUBLIC OFFICAL
ILLONA KATZ 2209 PEARL ST. SANTA MONICA, CA	TRUSTEE	X		N/A ELECTED PUBLIC OFFICAL
PAT NICHELSON 2607 2ND. ST. SANTA MONICA, CA	TRUSTEE	X		N/A ELECTED PUBLIC OFFICAL
COLIN PETRIE 224 21ST ST. SANTA MONICA, CA	TRUSTEE	X		N/A ELECTED PUBLIC OFFICAL
DR. ALFRED QUINN 1957 19TH ST. #3 SANTA MONICA, CA	TRUSTEE	X		N/A ELECTED PUBLIC OFFICAL
DR. RALPH VILLANI 1338-D HARVARD ST. SANTA MONICA, CA	TRSUTEE	X		N/A ELECTED PUBLIC OFFICAL
RICHARD MOORE	PRESIDENT/SUPT/SEC TO BOARD OF TRUSTEES		X	APPOINTED

Section II - LEGAL QUALIFICATIONS (Page 3)

9. Does the applicant or any party to this application have, or have they had, any interest in:

(a) a broadcast station, or pending broadcast station application before the Commission? [X] Yes [ ] No

(b) a broadcast application which has been dismissed with prejudice by the Commission? [ ] Yes [X] No

(c) a broadcast application which has been denied by the Commission? [ ] Yes [X] No

(d) a broadcast station, the license of which has been revoked? [ ] Yes [X] No

(e) a broadcast application in any pending or concluded Commission proceeding which left unresolved character issues against the applicant? [ ] Yes [X] No

If the answer to any of the questions in (a)-(e) above is Yes, state in an Exhibit the following information:

Exhibit No. 2

(1) Name of party having interest;
(2) Nature of interest or connection, giving dates;
(3) Call letters of stations or file number of application or docket; and
(4) Location.

SECTION III - FINANCIAL QUALIFICATIONS

Note: If this application is for a change in an operating facility, DO NOT fill out this Section.

1. Is this application contingent upon receipt of a grant from the National Telecommunications and Information Administration? [X] Yes [ ] No

2. Is this application contingent upon receipt of a grant from a charitable organization, the approval of the budget of a school or university, or an appropriation from a state, county, municipality or other political subdivision? [ ] Yes [X] No

NOTE: If either Questions 1 or 2 is answered "Yes," your application cannot be granted until all of the necessary funds are committed or appropriated. In the case of grants from the National Telecommunications and Information Administration, no further action on your part is required. If you rely on funds from a source specified in Question 2, **you must advise the F.C.C. when the funds are committed or appropriated.** This should be accomplished by letter amendment to your application, in triplicate, signed in the same manner as the original application, and clearly identifying the application to be amended.

3. The applicant certifies, except as noted above, that sufficient net liquid assets are on hand or that sufficient funds are available from committed sources to construct and operate the requested facilities for three months without additional funds. [X] Yes [ ] No

SECTION IV - PROGRAM SERVICE STATEMENT

Attach as an Exhibit, a brief description, in narrative form, of the planned programming service relating to the issues of public concern facing the proposed service area. Exhibit No. 3

NOTE: No program service statement need be filed where the proposed station's programming would be **wholly** "instructional" as that type of programming is defined in the Instructions to this Section.

SECTION VI – EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

1. Does the applicant propose to employ five or more full-time employees? ☐ Yes ☒ No

If Yes, the applicant must include an EEO program called for in the separate Broadcast Equal Employment Opportunity Program Report (FCC 396-A).

SECTION VII – CERTIFICATION

1. Has or will the applicant comply with the public notice requirements of 47 C.F.R. Section 73.3580? ☒ Yes ☐ No

The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. *(See Section 304 of the Communications Act of 1934, as amended.)*

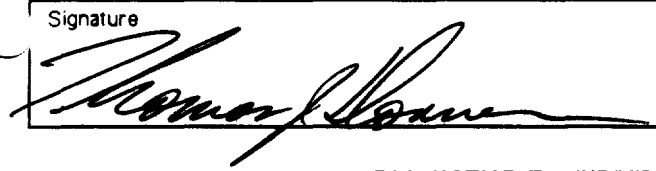
The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all exhibits are a material part hereof and incorporated herein.

The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with 47 C.F.R. Section 1.65, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT. U.S. CODE, TITLE 18, SECTION 1001.

I certify that the statements in this application are true and correct to the best of my knowledge and belief, and are made in good faith.

Name of Applicant	Title
Thomas J. Donner	Deputy Superintendent
Signature 	Date 4 March 1992

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, analysts, engineers and applications examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain the requested authority.

Public reporting burden for this collection of information is estimated to vary from 76 to 80 hours with an average of 78 hours 04 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Office of Managing Director, Washington, D.C. 20554, and to the Office of Management and Budget, Paperwork Reduction Project (3060-0034), Washington, D.C. 20503.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

EXHIBIT No. 1

APPLICATION FOR A NEW NON-COMMERCIAL
EDUCATIONAL FM STATION
TO SERVE
MOJAVE, CA

CHANNEL 204B, 88.7MHz

Section II, 1 (c)

The proposed station will be used to directly and indirectly advance the mission of Santa Monica College as published in its 1985-87 catalog of courses:

> Santa Monica College is a community-oriented, open-door educational institution dedicated to the principle that society benefits when its members have an opportunity to develop to their fullest potentials..... [the college is mandated] "to provide educational and cultural activities that contribute to the well-being of the entire community." (emphasis ours)

The proposed radio station, through its programming of educational programs, in-depth news and information as well as music and cultural fare is both appropriate and desirable to further the mission of Santa Monica College.

EXHIBIT No. 2

APPLICATION FOR A NEW NON-COMMERCIAL
EDUCATIONAL FM STATION
TO SERVE
MOJAVE, CA

CHANNEL 204B, 88.7MHz

Section II, 9 (a)

Santa Monica Community College District operates KCRW-FM, Santa Monica, CA. and is holder of construction permits for KCRY Indio, CA and KCRU Oxnard, CA.

EXHIBIT No. 3

APPLICATION FOR A NEW NON-COMMERCIAL
EDUCATIONAL FM STATION
TO SERVE
MOJAVE, CA

CHANNEL 204B, 88.7MHz

Section IV Program Service Statement

As stated Exhibit #1 in response to section II, 1 (c) of this application, Santa Monica College is mandated "to provide educational and cultural activities that contribute to the well-being of the entire community."
The program service of the proposed station will further the above stated mission.

This application is for a Class B station to serve Mojave, CA. The community of Mojave, CA is and unincorporated town in Kern County, California as is the nearby town of Rosamond California. Interviews with officials in the office of Kern County Supervisor Ben Austin (Supervisorial District #2) indicate a number of community problems and concerns. These include: the economy, affordable housing, traffic, school construction, drug problems, crime and healthcare services. All of these areas have been impacted by the growth in population in the Antelope Valley area.

Depressed oil prices have meant decreased revenues collected by the county in recent years. Services to the public have been affected.

The applicant proposes to deal with these problems on special programs broadcast by the Mojave station, National and regional issues will be addressed by ongoing coverage on National Public Radio news programs and American Public Radio's business program, MARKETPLACE.

Section V-B - FM BROADCAST ENGINEERING DATA	FOR COMMISSION USE ONLY File No. _____ ASB Referral Date _____ Referred By _____

Name of Applicant

SANTA MONICA COMMUNITY COLLEGE DISTRICT

RECEIVED
MAR 0 5
FCC MAIL BRANCH

Call letters *(if issued)*	Is this application being filed in response to a window? ☐ Yes ☒ No If Yes, specify closing date: _____

Purpose of Application: *(check appropriate box(es))*

- ☒ Construct a new (main) facility
- ☐ Construct a new auxiliary facility
- ☐ Modify existing construction permit for main facility
- ☐ Modify existing construction permit for auxiliary facility
- ☐ Modify licensed main facility
- ☐ Modify licensed auxiliary facility

purpose is to modify, indicate below the nature of change(s) and specify the file number(s) of the authorizations affected.

- ☐ Antenna supporting-structure height
- ☐ Effective radiated power
- ☐ Antenna height above average terrain
- ☐ Frequency
- ☐ Antenna location
- ☐ Class
- ☐ Main Studio location
- ☐ Other *(Summarize briefly)*

File Number(s) _____

1. Allocation:

Channel No.	Principal community to be served:		
	City	County	State
204	MOJAVE	KERN	CA

Class *(check only one box below)*

☐ A ☐ B1 ☒ B ☐ C3
☐ C2 ☐ C1 ☐ C ☐ D

2. Exact location of antenna.

(a) Specify address, city, county and state. If no address, specify distance and bearing relative to the nearest town or landmark.

OAK CREEK PASS, 19 KM WEST OF MOJAVE. NORTHWEST CORNER, SECTION 8, T. 11 N.; R. 14 W.

(b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array. Otherwise, specify tower location. Specify South Latitude or East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed.

Latitude	35°	04'	02"	Longitude	118°	23'	03"

3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)? ☐ Yes ☒ No

If Yes, give call letter(s) or file number(s) or both. N/A

If proposal involves a change in height of an existing structure, specify existing height above ground level including antenna, all other appurtenances, and lighting, if any.

N/A

SECTION V-B – FM BROADCAST ENGINEERING DATA (Page 2)

4. Does the application propose to correct previous site coordinates? ☐ Yes ☒ No
If Yes, list old coordinates.

Latitude	Longitude
° ' "	° ' "

5. Has the FAA been notified of the proposed construction? ☐ Yes ☒ No
If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No.

Date _____ Office where filed _____

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

	Landing Area	Distance (km)	Bearing (degrees True)
(a)	TEHACHAPI MUNICIPAL	7.6	333.1
(b)	TEHACHAPI, FANTASY HAVEN	5.3	313.1

7. (a) Elevation: *(to the nearest meter)*

(1) of site above mean sea level; 1,536 meters

(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 30 meters

(3) of the top of supporting structure above mean sea level [(a)(1) + (a)(2)] 1,566 meters

(b) Height of radiation center: *(to the nearest meter)* H = Horizontal; V = Vertical

(1) above ground 26 meters (H)

26 meters (V)

(2) above mean sea level [(a)(1) + (b)(1)] 1,562 meters

1,562 meters (V)

(3) above average terrain 195 meters (H)

195 meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labelling all elevations required in Question 7 above, except item 7(b)(3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of FM radiator.

Exhibit No. ENGR.
FIG. 2

9. Effective Radiated Power:
(a) ERP in the horizontal plane 29.0 kw (H*) 29.0 kw (V*)

(b) Is beam tilt proposed? ☐ Yes ☒ No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevational plot of radiated field.

Exhibit No.

_____ kw (H*) _____ kw (V*)

*Polarization

SECTION V-B – FM BROADCAST ENGINEERING DATA (Page 3)

10. Is a directional antenna proposed? [X] Yes [ ] No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of horizontally and vertically polarized radiated components in terms of relative field.

Exhibit No. ENGR. SEC. 6.1

11. Will the main studio be located within the 70 dBu or 3.16 mV/m contour? [X] Yes [ ] No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

Exhibit No.

12. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast *(except citizens band or amateur)* radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference? [X] Yes [ ] No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. *(See 47 C.F.R. Sections 73.315(b), 73.316(d) and 73.318.)*

Exhibit No. ENGR. SEC. 3

13. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction D for Section V. Further, the map must clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No. ENGR. FIG. 1A & 1B

14. Attach as an Exhibit *(name the source)* a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No. ENGR. FIG. 3

(a) the proposed transmitter location, and the radials along with profile graphs have been prepared;

(b) the 1 mV/m predicted contour and, for noncommercial educational applicants applying on a commercial channel, the 3.16 mV/m contour; and

(c) the legal boundaries of the principal community to be served.

15. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 5,211 sq. km. Population 33,984

16. Attach as an Exhibit a map *(Sectional Aeronautical charts where obtainable)* showing the present and proposed 1 mV/m (60 dbu) contours.

Exhibit No.

Enter the following from Exhibit above:

Gain Area _____ sq. mi.

Loss Area _____ sq. mi.

Percent change (gain area plus loss area as percentage of present area) _____ %.

If 50% or more this constitutes a major change. Indicate in question 2(c), Section I, accordingly.

THIS APPLICATION IS FOR A NEW FACILITY. THIS SECTION DOES NOT APPLY

SECTION V-B – FM BROADCAST ENGINEERING DATA (Page 4)

17. For an application involving an auxiliary facility only, attach as an Exhibit a map *(Sectional Aeronautical Chart or equivalent)* that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

Exhibit No. N/A

(a) the proposed auxiliary 1 mV/m contour; and

(b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license. See 47 C.F.R. Section 73.1675. (File No.:_____)

18. Terrain and coverage data *(to be calculated in accordance with 47 C.F.R. Section 73.313).*

Source of terrain data: *(check only one box below)*

☐ Linearly interpolated 30-second database ☐ 7.5 minute topographic map

(Source: _____)

☒ Other *(briefly summarize)* DMA 3-SECOND DATABASE

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances to the 1 mV/m contour (kilometers)	ERP (dBk)
0	213.	50.0	12.94
45	150.	47.1	14.54
90	395.	58.2	11.02
135	484.	45.0	2.72
180	263.	34.2	2.85
225	-99.	12.9	4.36
270	-176.	11.3	1.93
315	331.	**42.3**	5.20

Allocation Studies

(See Subpart C of 47 C.F.R. Part 73)

19. Is the proposed antenna location within 320 kilometers (199 miles) of the common border between the United States and Mexico? ☐ Yes ☒ No

If Yes, attach as an Exhibit a showing of compliance with all provisions of the Agreement between the United States of America and the United Mexican States concerning Frequency Modulation Broadcasting in the 88 to 108 MHz band.

Exhibit No.

20. Is the proposed antenna location within 320 kilometers of the common border between the United States and Canada? ☐ Yes ☒ No

If Yes, attach as an Exhibit a showing of compliance with all provisions of the Working Agreement for Allocation of FM Broadcasting Stations on Channels 201-300 under The Canada-United States FM Agreement of 1947. Exhibit No.

21. If the proposed operation is for a channel in the range from channel 201 through 220 (88.1 through 91.9 MHz), or if this proposed operation is for a class D station in the range from Channel 221 through 300 (92.1 through 107.9 MHz), attach as an Exhibit a complete allocation study to establish the lack of prohibited overlap of contours with other U.S. stations. The allocation study should include the following: Exhibit No. ENGR. SEC. 8 FIG. 6, 7 & 8

(a) The normally protected interference-free and the interfering contours for the proposed operation along all azimuths. FIG. 6
(b) Complete normally protected interference-free contours of all other proposals and existing stations to which objectionable interference would be caused. FIG. 8
(c) Interfering contours over pertinent arcs of all other proposals and existing stations from which objectionable interference would be received. FIG. 7
(d) Normally protected and interfering contours over pertinent arcs, of all other proposals and existing stations, which require study to show the absence of objectionable interference. FIG. 7 & 8
(e) Plot of the transmitter location of each station or proposal requiring investigation, with identifying call letters, file numbers and operating or proposed facilities. FIG. 7 & 8
(f) When necessary to show more detail, an additional allocation study will be attached utilizing a map with a larger scale to clearly show interference or absence thereof.
(g) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire Exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
(h) The name of the map(s) used in the Exhibit(s).

22. With regard to any stations separated by 53 or 54 channels (10.6 or 10.8 MHz) attach as an Exhibit information required in 1/ *(separation requirements involving intermediate frequency (i.f.) interference).* Exhibit No. ENGR. SEC. 10 TABLE I

23.(a) Is the proposed operation on Channel 218, 219, or 220? ☐ Yes ☒ No

(b) If the answer to (a) is yes, does the proposed operation satisfy the requirements of 47 C.F.R. Section 73.207? ☐ Yes ☐ No

(c) If the answer to (b) is yes, attach as an Exhibit information required in 1/ regarding separation requirements with respect to stations on Channels 221, 222 and 223. Exhibit No.

(d) If the answer to (b) is no, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose. Exhibit No.

1/ A showing that the proposed operation meets the minimum distance separation requirements. Include existing stations, proposed stations, and cities which appear in the Table of Allotments; the location and geographic coordinates of each antenna, proposed antenna or reference point, as appropriate; and distance to each from proposed antenna location.

SECTION V-B – FM BROADCAST ENGINEERING DATA (Page 6)

(e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following.

Exhibit No. ENGR. SEC. 8 FIG. 6, 7 & 8

(1) Protected and interfering contours, in all directions (360°), for the proposed operation. FIG. 6

(2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as transmitter location. FIG. 7 & 8

(3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.

(4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.

(5) The official title(s) of the map(s) used in the exhibits(s).

24. Is the proposed station for a channel in the range from Channel 201 to 220 (88.1 through 91.9 MHz) and the proposed antenna location within the distance to an affected TV Channel 6 station(s) as defined in 47 C.F.R. Section 73.525? [X] Yes [ ] No

If Yes, attach as an Exhibit either a TV Channel 6 agreement letter dated and signed by both parties or a map and an engineering statement with calculations demonstrating compliance with 47 C.F.R. Section 73.525 for each affected TV Channel 6 station. Exhibit No. ENGR. SEC. 11

25. Is the proposed station for a channel in the range from Channel 221 to 300 (92.1-107.9 MHz)? [ ] Yes [X] No

If Yes, attach as an Exhibit information required in 1/. *(Except for Class D (secondary) proposals.)* Exhibit No.

26. Environmental Statement *(See 47 C.F.R. Section 1.1301 et seq.)*

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact? [ ] Yes [ ] No

If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311. Exhibit No.

If No, explain briefly why not. SEE ENGINEERING EXHIBIT, SECTION 12

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name *(Typed or Printed)*	Relationship to Applicant *(e.g., Consulting Engineer)*
JOHN J. DAVIS	CONSULTING ENGINEER
Signature	Address *(Include ZIP Code)* P.O. BOX 128 SIERRA MADRE, CA 91025-0128
Date JANUARY 16, 1991	Telephone No. *(Include Area Code)* (818) 355-6909

ENGINEERING EXHIBIT

APPLICATION FOR NEW NON-COMMERCIAL
EDUCATIONAL FM STATION
TO SERVE
MOJAVE, CALIFORNIA

CHANNEL 204B, 88.7 MHz

PREPARED FOR:

SANTA MONICA COMMUNITY COLLEGE DISTRICT
1900 PICO BOULEVARD
SANTA MONICA, CALIFORNIA 90405

JANUARY 16, 1991

PREPARED BY:

JOHN J. DAVIS
CONSULTING ENGINEER
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TABLE OF CONTENTS

TEXT:

TABLE OF CONTENTS

TABLES & FIGURES:

TABLE OF CONTENTS

TABLES & FIGURES:

1.0 INTRODUCTION

This Engineering Exhibit was prepared for SANTA MONICA COMMUNITY COLLEGE DISTRICT, to support its application for a new non-commercial educational FM (NCE-FM) station to serve Mojave, California. The applicant proposes to operate on channel 204B (88.7 MHz) from a developed electronics site, commonly referred to as Oak Creek Pass, which is located approximately 19 kilometers west of Mojave. Currently located at this site are numerous two-way communications radio systems. The applicant proposes to operate with an antenna height above the average terrain (HAAT) of 195 meters with an effective radiated power (ERP) of 29 kW, which is the maximum ERP for a Class B station at 195 meters HAAT. With this ERP and HAAT, and the use of a directional antenna, there will be no prohibitive contour overlap of any existing or proposed co-channel or adjacent channel stations.

2.0 CHANNEL SELECTION

A preliminary channel search was conducted, using interference contour overlap criteria, for all channels between 201 and 220, to determine which, if any, could be used to serve Mojave. The proposed channel would be Mojave's first NCE-FM assignment. The preliminary channel study showed that channel 204B would be the only possible channel that had any chance of meeting the Commission's interference overlap criteria given in Section 73.509 of the Rules[1]. Table I shows the results of this preliminary channel investigation and indicates that a directional antenna would be required to meet the interference contour protection requirements. Any channel which showed that it was short-spaced and/or very close to being short-spaced was then chosen for a thorough interference contour study using the proposed operating conditions and the existing stations terrain profile and coverage data obtained from their respective files on file at the Commission.

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[1] The preliminary interference contour computer study is based upon co-channel and adjacent channel station's ERP and HAAT and does not take into consideration variations in coverage due to terrain irregularities or directional antenna characteristics.

3.0 PROPOSED TRANSMITTER SITE

The proposed transmitter site is a developed electronic site at Oak Creek Pass, approximately 19 kilometers west of Mojave. Figure 1A shows a portion of the 7-1/2 minute Tehachapi South, CA topographic quadrangle with the proposed site accurately plotted. Figure 1B is a 50% reduction of the entire quadrangle where the proposed site is shown in relationship to the entire quadrangle.

There are no FM or television transmitters or any nonbroadcast radio stations within 60 meters of the site other than those located at the Carrier Communications facility. There are no commercial or government receiving stations, cable head-end facilities or populated areas within the blanketing area. The transmitter facilities of KTPI, a Class A FM station operating on channel 276 are located 1.64 km northeast of the site. Other than KTPI, there are no other FM transmitters or television transmitters within 10 kilometers of the site. There are, however, numerous two-way radio communications systems located at the Carrier Communications facility.

The person who controls the site has agreed to the use of this location by the applicant as an FM transmitter site. The person controlling the site is:

Carrier Communications
Attn: Mr. Christopher C. Killian
45313 Beech Street, Suite B
Lancaster, CA 93534
(805) 945-5448

4.0 PROPOSED STUDIO LOCATION

It is proposed to locate the studios at a site in Mojave at a location yet to be determined.

5.0 EMERGENCY POWER

The transmitter site proposed by the applicant has emergency electrical power facilities for continuous operation of the transmitter facility in case of a power failure. At the studio location, the applicant also proposes to install emergency electrical power. Then both the transmitter and studio sites will have emergency electrical power capability.

6.0 PROPOSED OPERATING CONDITIONS

6.1 Proposed Antenna:

It is proposed to install an Electronic Research, Inc. ("ERI") circularly polarized directional FM transmitting antenna, Model LP-4E-DA-SP, consisting of four half-wavelength spaced bays using one driven circularly polarized radiating element, two horizontal parasitic elements and two vertical parasitic elements per bay. This antenna has a maximum horizontal power gain of 4.0 (6.03 dB). The maximum vertical power gain equals that of the horizontal gain. The antenna has a maximum-to-minimum ratio of 13 dB and the gain changes at a rate of 2 dB or less for every 10° in azimuth change. The antenna will be mounted so